

HOUSATONIC RIVER BASIN

01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT

LOCATION.--Lat 41°36'55", long 73°03'30", New Haven County, Hydrologic Unit 01100005, at Frost Bridge 1.8 mi north of Waterville and 2.4 mi south of Branch Brook.

DRAINAGE AREA.--136 mi².

PERIOD OF RECORD.--October 5, 1967, published as "near Waterbury," October 1980 to current year.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (<) data qualifier.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)
NOV 15...	1415	135	166	147	7.4	8.0	7.0	1.6	11.9	101	140
JAN 10...	1440	200	140	139	7.2	5.5	3.0	1.6	13.3	101	3800
MAR 08...	1410	213	153	152	7.2	16.5	6.0	1.9	12.4	102	50
MAY 09...	1415	125	185	193	7.3	34.0	23.5	1.6	8.0	96	K6
JUN 05...	1315	146	151	154	7.0	20.0	18.0	2.2	8.5	90	K34
JUL 05...	1440	96	176	141	7.4	31.0	25.0	2.3	8.1	100	76
AUG 21...	1530	85	171	175	7.4	24.0	20.5	--	9.0	100	28
SEP 18...	1425	59	203	203	7.6	26.5	19.5	.3	9.2	101	K23
DATE	ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO- COCCI MF 24 HOUR (COL / 100 ML) (90909)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
NOV 15...	25	--	35	9.09	2.91	15.9	2.3	0	26	21	13.8
JAN 10...	500	--	29	7.51	2.58	12.4	1.8	0	21	17	12.0
MAR 08...	K12	--	28	7.41	2.42	14.9	2.0	0	17	14	13.6
MAY 09...	--	<1	35	9.15	2.87	18.8	2.7	0	28	23	16.0
JUN 05...	--	K20	33	8.45	2.80	14.4	1.7	0	24	20	11.3
JUL 05...	--	K12	36	9.60	2.95	17.8	2.5	0	31	25	12.8
AUG 21...	--	K5	35	9.38	2.86	17.2	2.6	0	32	26	13.2
SEP 18...	--	K2	37	10.1	2.91	20.6	3.5	0	35	29	17.0
DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 15...	21.7	.1	6.5	88	98	.018	.740	.081	.25	.33	.28
JAN 10...	18.2	.1	6.4	84	88	.012	.603	.130	.23	.36	.27
MAR 08...	21.9	<.1	5.9	89	96	<.010	.566	.073	.29	.37	.30
MAY 09...	26.3	.1	4.3	108	111	.030	.635	.168	.48	.65	.53
JUN 05...	21.5	<.1	4.5	91	85	.017	.444	.145	.29	.44	.34
JUL 05...	26.3	.2	4.6	104	108	.035	.712	.084	.38	.46	.36
AUG 21...	21.9	.1	6.3	101	104	.021	.610	.080	.36	.44	.38
SEP 18...	24.1	.1	5.3	112	115	.020	.768	.076	.38	.46	.37

01208049 NAUGATUCK RIVER NEAR WATERVILLE, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
NOV 15...	1.1	.073	.053	.042	19	<1	17	<1	<1.0	1.3	<1
JAN 10...	.97	.071	.057	.049	24	<1	15	<1	<1.0	1.5	<1
MAR 08...	.93	.036	.021	.012	25	<1	15	<1	<1.0	1.0	<1
MAY 09...	1.3	.094	.095	.068	<37	<1	15	<1	<1.0	2.5	<1
JUN 05...	.88	.077	.052	.033	<28	<1	15	<1	<1.0	2.1	<1
JUL 05...	1.2	.128	.098	.078	22	<1	16	<1	<1.0	3.6	<1
AUG 21...	1.0	.089	.070	.054	26	<1	17	<1	<1.0	3.3	<1
SEP 18...	1.2	.159	.137	.108	19	<1	14	<1	<1.0	3.2	<1

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV 15...	3	130	<1	65	<1	7	<1	10	<1	3.3
JAN 10...	3	100	<1	48	<1	7	<1	12	<1	3.0
MAR 08...	3	70	<1	48	<1	7	<1	12	<1	2.5
MAY 09...	4	250	<1	53	<1	10	<1	<9	<1	4.1
JUN 05...	3	220	<1	47	<1	7	<1	<7	<1	4.0
JUL 05...	4	160	<1	23	<1	6	<1	5	<1	4.1
AUG 21...	4	210	<1	39	<1	8	<1	6	<1	3.9
SEP 18...	6	190	<1	35	1	8	<1	7	<1	4.2